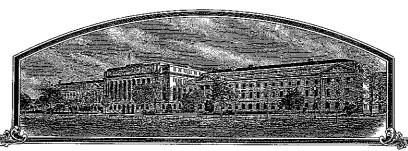
No.



200400316

<u>AHIB ONIHED SIEAVIES OEAVIERIOA</u>

TO ALL TO WHOM THESE PRESENTS SHALL COME;

Monsanto Jechnology LLG

MICCOLD, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLETD WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HERS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE AGENT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR CRITING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSE. OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE ON USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'0236101'

In Testimonn Museus, I have hereunto set my hand and caused the seal of the Hunt Hariety Frotestion Office to be affixed at the City of Washington, D.C. this seventeenth day of April, in the year two thousand and six.

Attest:

Commissioner

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

of Agriculture

U.S. DEPARTMENT OF AG AGRICULTURAL MARKETIN SCIENCE AND TECHNOLOGY - PLANT VAR APPLICATION FOR PLANT VARIETY PR (Instructions and information collection bur	METY PROTECTION OFFICE	The following statements are made in accordance with the Privacy Act of 1974 (3 U.S.C. 552a) at the Paperwork Reduction Act (PRA) of 1995. Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).				
1. NAME OF OWNER Monsanto Technology LLC		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME DOX3203B0R 3. VARIETY NAME 0236101				
4. ADDRESS (Street and No., or R.F.D. No., City, State, and Z	IP Code, and Country)	5. TELEPHONE (include area code)	FOR OFFICIAL USE ONLY			
3302 S.E. Convenience Blvd.		(515) 963-4200				
P.O. Box 3010		6. FAX (include area code)	- 2004 0 0 3 1 B			
Ankeny, IA 50021		(515) 965-3001	FILING DATE			
7. IF THE OWNER NAMED IS NOT A "PERSON". GIVE FORM ORGANIZATION (corporation, partnership, association, etc.)	OF 8. IF INCORPORATED, GIVE STATE OF INCORPORATION	9. DATE OF INCORPORATION	9/24/2004			
Limited Liability Company						
Donald Steffen 3302 S.E. Convenience Blvd. P.O. Box 3010 Ankeny, IA 50021		person listed will receive all papers)	F FILING AND EXAMINATION FEES: \$ 3,652.00 DATE 9/24/2004 CERTIFICATION FEE: \$ 432 DATE 4/3/2006			
11. TELEPHONE (Include area code) 12	: FAX (Include area code)	13. E-MAIL	14. CROP KIND (Common Name)			
(515) 965-3022	(515) 965-3001	destef@monsanto.com	Soybean			
15. GENUS AND SPECIES NAME OF CROP		16. FAMILY NAME (Botanical)	17. IS THE VARIETY A FIRST GENERATION HYBRID?			
Glycine max (L.) Merr.	•	Fabaceae (Leguminosae)				
 18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT'S reverse) a. Exhibit A. Origin and Breeding History of the Variety b. Exhibit B. Statement of Distinctness c. Exhibit C. Objective Description of Variety d. Exhibit D. Additional Description of the Variety (O. e. Exhibit E. Statement of the Basis of the Owner's C. f. Voucher Sample (2,500 viable untreated seeds or, verification that tissue culture will be deposited and repository) g. Filing and Examination Fee (\$3,652), made payab States" (Mail to the Plant Variety Protection Office) 	ptional) Ownership for tuber propagated varieties, d maintained in an approved public	19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLA CERTIFIED SEED? See Section 83(a) of the Plant Variety Protection Act) YES (If "yes", answer items 20 and 21 below) NO (If "no," go to variety be Limited as To Number of Classes? IF YES, WHICH CLASSES? FOUNDATION REGISTERED 17. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? 18. YES VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? 19. YES VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? 19. YES, SPECIFY THE NUMBER 1, 2, 3, etc. FOR EACH CLASS. 10. FOUNDATION REGISTERED CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse				
22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATE FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANS OTHER COUNTRIES?	RIAL) OR A HYBRID PRODUCED SFERRED, OR USED IN THE U.S. OR	23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLED PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)?				
YES NO MUST PROVIDE THE DATE OF FIRST SALE, FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please)		YES ONO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)				
24. The owners declare that a viable sample of basic seed of the for a tuber propagated variety a tissue culture will be deposit. The undersigned owner(s) is(are) the owner of this sexually and is entitled to protection under the provisions of Section 4. Owner(s) is(are) informed that false representation herein ca. SIGNATURE OF OWNER NAME (Please print or type) Donald Steffen	ed in a public repository and maintained for reproduced or tuber propagated plant variet 2 of the Plant Variety Protection Act. In jeopardize protection and result in penalti	r the duration of the certificate. y, and believe(s) that the variety is new, distinct, es. SIGNATURE OF OWNER NAME (Please print or type)	uniform, and stable as required in Section 42,			
Oilseeds IP/Reg. Affairs Manager	DATE /2004	CAPACITY OR TITLE	DATE			

200400,316

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO)ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E;(3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to eproduce the variety, or for tuber reproduced varieties verification that a viable in the sense the will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$652 (\$432) filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" See Section 97.6 of the Regulations and Rules of Practice.) Partial application will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be itialed and dated. DO NOT use masking materia to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$2 for issuar of the certificate. Certificates willbe issued to owner, not licensee or agent.

00 1000

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/sciencepvpo/pvp.htm

ITEM

18a. Give:

- (1) the genealogy, including public and commercial varieties lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and statehow these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a goup of related varieties:

 (1) Identify these varieties and state all differences objectively;

- (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
- (3) submit, if helpful, seed and plart specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form asympletely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to revealmore accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An ExhibE form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed) the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, thedecision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 21. See Section 83 of the Act for the Contents and Term of Plant VarietyProtection.
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 5.5 of the Act for instructions on claiming the benefit of an earlier filing date.
- 21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

67: LW ZZ das 10.

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned refeence number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent))\(\)\(\)\(\)

U.S. Patent No. 5,776,760. Issue Date: July 7, 1998. Assignee: Monsanto Company. Patent Application No. 484,274.

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for ifing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the propriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Besville Agricultural Research Center-East, Beltsville, MD 20705. Telephone: (301) 504-8089. http://www.ams.usda.gov/lsg/seed.htm

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 3.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability sexual orientation, marital or family state political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact the USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.
ST-479 (02-10-03) designed by the Plant Variety Protection Office with Word 2000. Replaces former versions of S470, which are obsolete.

MONSANTO TECHNOLGY LLC PVP APPLICATION - **0236101**

EXHIBIT A

ORIGIN AND BREEDING HISTORY

1998 - Final cross was made in 1998 at Isabela, Puerto Rico.

Parentage: CI3478/AG3702

Source of glyphosate tolerance is 40-3-2.

- 1998 F1 generation was grown at Isabela, Puerto Rico and advanced using modified single seed descent.
- 1999 F2 generation was grown at Isabela, Puerto Rico and advanced using modified single seed descent.
- 1999 F3 bulk populations were grown at Oxford, Indiana and single plants pulled.
- 2000 F3 derived F4 plants were grown at Oxford, Indiana in PRYTs and variety 0236101 was selected based on agronomic characteristics, including, but not limited to, general plant health, lodging, early emergence, and general disease resistance, including resistance to PRR, SCN, BSR, SDS, stem canker, etc.
- 2001 F3:5 breeder seed was grown at Oxford, Indiana for progeny row increase and in yield tests at 4 locations in Indiana.

Variety 0236101 was observed to be uniform and stable for the characteristics described within this application based on our observations since 2001 and, henceforth, to present. No variants were observed during this time.

Variety 0236101 has continued to be grown in yield tests at 9 locations in 2002 and 31 locations in 2003 for comparison against other varieties to determine how it would be used in our marketing program.

MONSANTO TECHNOLGY LLC PVP APPLICATION - **0236101**

EXHIBIT B

NOVELTY STATEMENT

To our knowledge, the soybean varieties that most closely resemble 0236101 are AG3003, and 93244449:

1. Pod wall color	0236101 AG3003 93244449	- Brown - Tan - Tan
PRR Gene (Tolerance to Phytophthora Root Rot)	0236101 AG3003 93244449	- Rps1c - Rps1k - Rps1k

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this collection of information is (0581-0055). The time required to complete this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact the USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705 EXHIBIT C (Soybean)

OBJECTIVE DESCRIPTION OF VARIETY SOYBEAN (Glycine max (L.) Merr.)

NAME OF APPLICANT(S)	Monsanto Technology LL	С		FOR OFFICIAL USE ONLY
ADDRESS (Street and No. or I	R.F.D. No., City, State, and ZIP Code)			200400316
	3302 S.E. Convenience Blv P.O. Box 3010	∕d.		VARIETY NAME 0236101
	Ankeny, IA 50021			TEMPORARY OR EXPERIMENTAL DESIGNATION DOX3203B0R
PLEASE READ ALL INS	FRUCTIONS CAREFULLY: Place the app	ropriate number that describ	es the varietal character of th	is variety in the boxes below.
Place a zero in the first box	(e.g. 099 or 09) when numb	er is either 99 or less or 9 or	less respectively. Data for qu	uantitative
plant characters should be	based on a minimum of 100 plants Compa	rative data should be determ	ined from varieties entered in	the same trial. Royal
Horticultural Society or an	y recognized color standard may be used to	determine plant colors; desig	nate system used:	
	for your variety; lack of response may delay	progress of your application	1.	
A. MORPHOLOG	Y			
eed Shape:				
3 = Elo	T, and T/W ratios < 1.2)	(L/W) ratio $4 = Elongat$	cal-Flattened > 1.2; L/T ratio < te-Flattened > 1.2;T/W ratio > 1	
eed Coat Color:				
1 1 = Yel	low 2 = Green	3 = Brown	4 = Black	5 = Other (Please Specify)
eed Coat Luster:				
1 1 = Dul	1 2 = Shiny			
eed Size:				
0 0 . 0	grams/100 seeds			
<u>ilum C</u> olor:				
5	f $2 = \text{Yellow}$ ck $7 = \text{Other } (Please)$	3 = Brown e Specify)	4 = Gray	5 = Imperfect Black
otyledon Color:				
,				

Seed Protein Peroxidase Activity:

$$1 = Low$$
 $2 = High$

Hypocotyl Color:

4 = Dark Purple extending to unifoliolate leaves ('Hodgson', 'Coker', or 'Hampton 266A')

Leaf Shape:

Flower Color:

$$2 1 = White$$

Pod Color:

Pubescence Color:

Plant Habit:

$$3 = Indeterminate$$

Maturity Group:

$$2 = 00$$
$$7 = IV$$
$$12 = IX$$

$$3 = 0$$
$$8 = V$$
$$13 = X$$

$$4 = I$$
$$9 = VI$$
$$14 = XI$$

Maturity Subgroup:

1	

Please enter a value from 0 - 9

B. DISEASE REACTIONS

$$0 = Not Tested$$

$$2 = Resistant 3 = Tolerant$$

Bacterial

- Bacterial Pustule (Xanthomonas campestris pv. glycines (Nakano) Dye)
- Bacterial Blight (Pseudomonas syringae pv. glycinea (Coerper) Young, Dye, & Wilkie)
- 0 Wildfire Blight (Pseudomonas syringae pv. tabaci (Wolf & Foster) Young, Dye, & Wilkie)

Fungal

Brown Spot (Septoria glycines Hemmi)

	Frogeye Lea	af Spot (Cercospor	a sojina	Hara)						
	0 race 1		0	race 2		0	race 3		0	race 4
	race 5		0	race 6			Other (<i>Please</i>	Specify)	navaddania de nipologogia de nico e	the an investment of the late to the second of the late to the lat
		(Corynespora cas.		·	ŕ			20	040	0316
	Downey Mil	dew (<i>Peronospora</i>	trifolior	um var. manci	hurica (Na	um.) Sy	d. ex Gäum)			
0	Powdery Mi	ldew (<i>Microsphae</i>	ra diffus	a Cke. & Pk.)						
2	Brown Stem	Rot (Phialophora	gregata	(Allington & C	Chamberla	in) W. (Gams.)			
0	Stem Canker	r (Diaporthe phase	olorum ((Cke. & Ell.) S	acc. var. <i>c</i>	caulivor	a Athow & Ca	ldwell)		
0	Pod and Ster	n Blight (<i>Diaportl</i>	e phased	olorum (Cke. &	Ell.) Saco	c. var. s	ojae (Lehman)) Wehm.)	
0	Purple Seed	Stain (<i>Cercospora</i>	kikuchii	(T. Matsu. &	Tomoyasu) Garde	ener)			
0	Rhizoctonia 1	Root Rot (Rhizoct	onia sola	ni Kühn)						
Phyto _j	phthora Root R	ot (<i>Phytophthora</i> .	megaspei	rma Drechs. f.	sp. <i>glycine</i>	a (Kua	n & Erwin))			
2	race I			7						
2	race 2	2 race 8 2 race 9	2]		ace 22				
2	race 3	2 race 10	2	race 16		ace 23				
1	race 4	2 race 11	1	race 18		ace 24				
1	race 5	1 race 12	1	race 19		ace 26				
2	race 6	2 race 13	1	race 20			lease Specify) :	:		
2	race 7	1 race 14	2	race 21	<u> </u>		28, 29, 30	,		
0	Bud Blight (T	obacco Ringspot	Virus)	-						
0	Yellow Mosaic	: (Bean Yellow M	osaic Vi	rus)						
0	Cowpea Mosai	ic (Cowpea Chlor	otic Virt	ıs)						
0	Pod Mottle (Bo	ean Pod Mottle V	irus)							

0 = Not Tested

1 = Susceptible

B. DISEASE REACTIONS (Continued)

200 94 0 9 3 1 6

B.]	DISEASE REACTIONS (<i>Continue</i>	0 = Not Test	ted 1 = Susceptible	2 = Resistant	3 = Tolerant
	Seed Mottle (Soybean Mosaic	Virus)			. 4 4 0 7 1 6
Nem	atode			200	4 das 1
Soyb	ean Cyst Nematode (Heterodera g	lycines Ichinohe)			400316
	race 1 0 race	4 0 1	race 9	, and the state of	
	race 2 0 race 3	5 1 1	race 14 (former r. 4)		
3	race 3 0 race 6	5	Other (<i>Please Specify</i>)	· · · · · · · ·	# # # # # # # # # # # # # # # # # # #
0	Lance Nematode (Hoplolaimus	columbus Sher)			
0	Southern Root Knot Nematode	(Meloidogyne incogi	nita (Kofoid & White) Ch	itwood)	
0	Northern Root Knot Nematode	: (Meloidogyne hapla	Chitwood)		
0	Peanut Root Knot Nematode (/	Meloidogyne arenaria	(Neal) Chitwood)		
0	Reniform Nematode (Rotylench	us reniformus Linwo	ood & Olivera)		
0	Javanese Nematode (<i>Meloidogy</i>	ne javanica (Treub) (Chitwood)		
	Other Nematode (Please Specify		***		
C. P	HYSIOLOGICAL RESPONSES	0 = Not Teste	d 1 = Susceptible	2 = Resistant	3 = Tolerant
0	Iron Chlorosis on Calcareous Se	oil			
0	Phosphorus				
0	Boron				
0	Aluminum				
0	Salt				
0	Drought				
	Other (Please Specify)				

Mexican Bean Beetle (Epilachna varivestis Mulsant)	20	040	03	16
O Potato Leaf Hopper (Empoasca fabae (Harris))	-			- 0
Other (Please Specify)				
E. HERBICIDE REACTIONS 0 = Not Tested 1 = Susceptible 2 =	Resistan	t .		
0 Bentazone				
1 Sulfonylurea				
2 Glyphosate				
1 Glufosinate				
0 Pendimethalin				
Other (Please Specify)				
F. TRANSGENIC COMPOSITION Has the development of the Subject Variety included the insertion or removal of genetic mate If yes, please complete the following information requests*. Use additional pages if necessary 1. Please state the vector's name: 2. Please state the vector components: 3. Please describe the genetic material successfully transferred into the Subject Variety: 4. Please describe the insertion protocol: * A literature citation(s) explaining the four information requests above may be an acceptant the 'Transgenic Composition' portion of this form.	y. L	YES	complet	NO
U.S. Patent No. 5,776,760. Issue Date: July 7, 1998. Inventor: Barry, Gerard, and Kishol Monsanto Company. Patent Application No. 484,274.	re, Ganes	sh. Assig	gnee:	
ABSTRACT: Genes encoding a glyphosate oxidoreductase enzyme are disclosed. The genes transformed bacteria and plants which degrade glyphosate herbicide as well as crop plants wherbicide.	are usefu hich are t	l in produ colerant to	ucing o glypho	sate

0 = Not Tested

1 = Susceptible

3 = Tolerant

2 = Resistant

D. INSECT REACTIONS

G. BIOCHEMICAL MARKERS

Please describe any biochemical information here which you believe will be helpful in further describing the Subject Variety (e.g. Simple Sequence Repeats, Restriction Fragment Length Polymorphisms, Isozymic Characterization). Use additional pages if necessary.

H. COMMENTS

MONSANTO TECHNOLGY LLC PVP APPLICATION - 0236101

EXHIBIT D

ADDITIONAL DESCRIPTION OF INVENTION

0236101 is an early maturity group III variety with resistance to Roundup tm herbicide. It has very high yield potential. It has superior yields to lines of similar maturity and has excellent agronomic characteristics, including lodging resistance. It has a major gene for Phytophthora resistance, Rps1c, conferring resistance to many races of Phytophthora Root Rot. In tests, it has beaten Asgrow AG2905 by 122 % overall, winning at 27 of 31 locations. It is adapted to the early maturity group III growing areas of Nebraska, Iowa, Missouri, Illinois, Indiana, Pennsylvania, and Ohio. It has slightly above average appearance.

REPRODUCE LOCALLY. Include form number and edition date on all reproduc	etions.	FORM APPROVED - OMB No. 0581-005		
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).			
NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	3. VARIETY NAME		
Monsanto Technology LLC	OR EXPERIMENTAL NUMBER DOX3203B0R	0236101		
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6. FAX (Include area code)		
3302 S.E. Convenience Blvd. P.O. Box 3010	(515) 965-3022	(515) 963-3001		
Ankeny, IA 50021	7. PVPO NUMBER 288 488 3 16			
9. Is the applicant (individual or company) a U.S. National or a U.S.	. based company? If no, give name of	country. X YES NO		
10. Is the applicant the original owner?	NO If no, please answer one o	f the following:		
b. If the original rights to variety were owned by a company(ies	NO If no, give name of countr	sed company? y		
PLEASE NOTE:				
Plant variety protection can only be afforded to the owners (not licens	sees) who meet the following criteria:			
If the rights to the variety are owned by the original breeder, that p national of a country which affords similar protection to nationals or	person must be a U.S. national, national of the U.S. for the same genus and spec	of a UPOV member country, or ies.		
If the rights to the variety are owned by the company which emplo nationals of a UPOV member country, or owned by nationals of a genus and species.	yed the original breeder(s), the company country which affords similar protection	y must be U.S. based, owned by to nationals of the U.S. for the same		
3. If the applicant is an owner who is not the original owner, both the	original owner and the applicant must m	neet one of the above criteria.		
The original breeder/owner may be the individual or company who di Act for definitions.	rected the final breeding. See Section 4	1(a)(2) of the Plant Variety Protection		
According to the Paperwork Reduction Act of 1995, an agency may no conduct or sponsor, control number. The valid OMB control number for this information collection is 0581-0055, including the time for reviewing the instructions, searching existing data sources, gathering a	The time required to complete this information collec-	fon is estimated to average 0 thour per reconnect		

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or familial status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact the USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.